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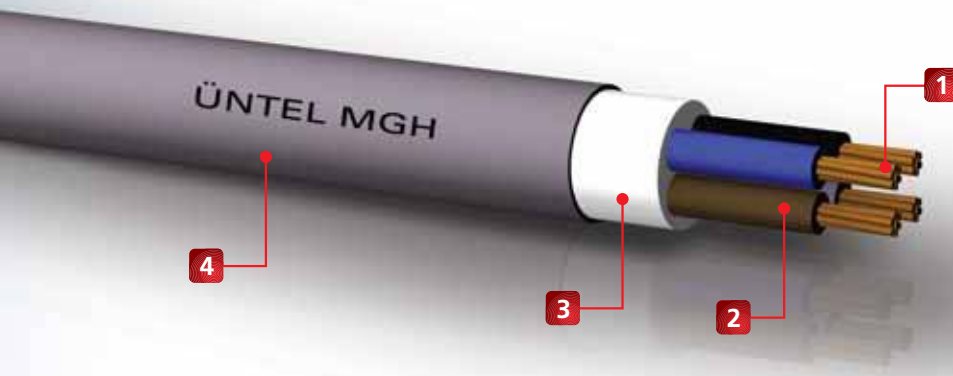
HALOJENSİZ, ALEV YÜRÜTMİYEN GÜÇ KABLOSU HALOGEN - FREE, FLAME RETARDANT POWER CABLE

KABLO YAPISI

- 1- İLETKEN** : Elektrolitik, tavlı ve bükülü bakır tel. IEC 60228 Sınıf 2 (Sınıf 5 ve/veya kalaylı isteğe bağlı).
- 2- İZOLASYON** : HF HEPR bileşiği.
- 3- DOLGU** : Halojensiz bileşik.
- 4- DIŞ KILIF** : Halojensiz, alev yürütmeyen, termoplastik poliolefin bazlı bileşik (HM4 / SHF1) - HD 604.
Renk: Siyah veya Gri.

CABLE STRUCTURE

- 1- CONDUCTOR** : Electrolytic, stranded, annealed copper wire. IEC 60228 Class 2 (Class 5 and/or tinned on request).
- 2- INSULATION** : HF HEPR compound.
- 3- BEDDING** : Halogen-free compound.
- 4- OUTER SHEATH** : Halogen-free, flame retardant, thermoplastic polyolefin based compound (HM4 / SHF1) - HD 604.
Color: Black or Grey.



ÜRETİM VE TEST STANDARTLARI / PRODUCTION AND TEST STANDARDS

KONSTRÜKSİYON / CONSTRUCTION	: DIN 89160, IEC 60092/353
TESTLER VE MALZEME / TESTS AND MATERIAL	: DIN 89160, IEC 60092 /350-351-359
ALEV YÜRÜTMEME / FLAME RETARDATION	: IEC 60332 /1, IEC 60332 / 3 Cat A
HALOJEN MİKTARI / HALOGEN CONTENT	: IEC 60754 / 1 - 2 ,
DUMAN YOĞUNLUĞU / SMOKE DENSITY	: IEC 61034 / 1-2 (DIN EN 50268/1-2)
İŞLETME SICAKLIĞI / WORKING TEMPERATURE	: -40°C / + 90°C
MIN. BÜKÜM YARIÇAPI (SABİT) / MIN. BENDING RADIUS (FIXED)	: 6 x (Kablo Çapı / Overall Diameter)
ANMA GERİLİMLERİ / RATED VOLTAGE	: 0,6/1 kV
TEST GERİLİMİ / TEST VOLTAGE	: 3,5 kV

KULLANIM ALANI

Her türlü deniz aracında elektromekanik, elektronik cihazlarda ve panolarda sabit bağlantı kablosu olarak kullanılır.

ORTAM

Kuru, ıslak, yağlı ve tüm deniz ortamlarında kullanılabilir.

GÜVENLİK

Halojensiz olması, düşük duman yoğunluğu ve alev iletmeme özellikleri sayesinde herhangi bir yangın durumunda korozif gazlar oluşturmaz, görüşü kapatmaz ve yangının yayılmasını önler. Böylece insan sağlığını ve değerli ekipmanı korur.

APPLICATION

Used as fixed installation cables in various electromechanical and electronic equipments of marine vehicles.

ENVIRONMENT

Usable at all conditions in marine environment such as dry, wet or oily locations.

SAFETY

Due to its' halogen-free, low smoke density and flame retardant features, it won't create corrosive gases nor obstruct visibility and prevents the fire from spreading around. Thus it protects human life and equipment, during a fire.

	NOMİNAL KESİT CROSS SECTION (mm ²)	KABLO DIŞ ÇAPI OVERALL DIAMETER (mm)	YAKLAŞIK KABLO AĞIRLIĞI APPX. WEIGHT (kg / km)	BAKIR AĞIRLIĞI COPPER WEIGHT (kg / km)
	1 x 1	4.7	32	9.6
Halojensiz Halogen Free	1 x 1.5	5	38	14.4
	1 x 2.5	5.4	49	24
	1 x 4	6	67	38.4
	1 x 6	6.5	89	57.6
	1 x 10	7.4	131	96
	1 x 16	8.4	188	153.6
	1 x 25	10.3	289	240
	1 x 35	11.4	380	336
Alev Yürütmeme Flame Retardation	1 x 50	13.2	517	480
	1 x 70	15.4	730	672
	1 x 95	17.2	971	912
	1 x 120	19.1	1223	1152
	1 x 150	21.2	1507	1440
	1 x 185	23.5	1869	1776
	1 x 240	26.4	2443	2304
Düşük Duman Yoğunluğu Low Smoke Density	1 x 300	29.2	3035	2880
	1 x 400	32.5	3842	3840
	2 x 1	9.6	131	19.2
	2 x 1.5	10.2	153	28.8
	2 x 2.5	11	188	48
	2 x 4	12.4	250	76.8
	2 x 6	13.4	312	115.2
	2 x 10	15.4	441	192
	2 x 16	17.6	615	307.2
	2 x 25	21.2	918	480
Yağa Dayanıklı Oil Resistant	3 x 1	10.1	147	28.8
	3 x 1.5	10.7	173	43.2
	3 x 2.5	11.8	224	72
	3 x 4	13	292	115.2
	3 x 6	14.1	371	172.8
	3 x 10	16.3	539	288
0,6/1 kV Anma Gerilimi Rated Voltage	3 x 16	18.6	760	460.8
	3 x 25	22.5	1146	720
	3 x 35	25	1488	1008
	3 x 50	28.7	1998	1440
	3 x 70	33.8	2827	2016
	3 x 95	37.8	3713	2736
	3 x 120	41.9	4641	3456
3.5 kV Test Gerilimi Test Voltage	3 x 150	46.8	5756	4320
	3 x 185	52.1	7153	5328
	3 x 240	58.7	9312	6912
	4 x 1	10.8	170	38.4
	4 x 1.5	11.7	210	57.6
	4 x 2.5	12.7	266	96
	4 x 4	14.1	353	153.6
	4 x 6	15.5	461	230.4
	4 x 10	17.9	672	384
	4 x 16	20.5	952	614.4
+90 -40 °C İşletme Sıcaklığı Working Temperature	4 x 25	24.9	1445	960
	4 x 35	27.7	1884	1344
	4 x 50	31.8	2530	1920
	4 x 70	37.4	3579	2688
	4 x 95	42.2	4751	3648
	4 x 120	47.1	5986	4608
6x Büküm Yarıçapı Bending Radius	4 x 150	51.7	7298	5760
	4 x 185	58.1	9157	7104
	4 x 240	64.6	11782	9216
	5 x 1	11.8	196	48
	5 x 1.5	12.6	237	72
	5 x 2.5	13.7	302	120
	5 x 4	15.5	415	192
	5 x 6	17.1	545	288
	5 x 10	19.7	796	480
	5 x 16	22.7	1142	768
	5 x 25	27.5	1728	1200
	6 x 1	12.5	222	57.6
	6 x 1.5	13.4	271	86.4
	6 x 2.5	14.6	348	144

NOMİNAL KESİT CROSS SECTION (mm ²)	KABLO DIŞ ÇAPI OVERALL DIAMETER (mm)	YAKLAŞIK KABLO AĞIRLIĞI APPX. WEIGHT (kg / km)	BAKIR AĞIRLIĞI COPPER WEIGHT (kg / km)
7 x 1	12.5	230	67.2
7 x 1.5	13.4	283	100.8
7 x 2.5	14.6	367	168
8 x 1	12.3	210	76.8
8 x 1.5	13.6	275	115.2
8 x 2.5	15.2	377	192
9 x 1	13.2	239	86.4
9 x 1.5	14.5	312	129.6
9 x 2.5	16.3	429	216
10 x 0.75	13.1	209	72
10 x 1	13.5	235	96
10 x 1.5	14.9	309	144
10 x 2.5	16.7	429	240
12 x 1	14	265	115.2
12 x 1.5	15.4	351	172.8
12 x 2.5	17.3	490	288
14 x 1	14.9	305	134.4
14 x 1.5	16.2	395	201.6
14 x 2.5	18.3	562	336
16 x 1	15.6	340	153.6
16 x 1.5	17.2	452	230.4
16 x 2.5	19.3	633	384
18 x 1	16.4	376	172.8
18 x 1.5	18.1	501	259.2
18 x 2.5	20.3	703	432
19 x 1	16.4	383	182.4
19 x 1.5	18.1	512	273.6
19 x 2.5	20.3	722	456
20 x 1	16.4	406	192
20 x 1.5	18.1	543	288
20 x 2.5	20.3	765	480
21 x 1	17.5	455	201.6
21 x 1.5	19.1	595	302.4
21 x 2.5	21.5	837	504
24 x 1	19.3	488	230.4
24 x 1.5	21.3	652	345.6
24 x 2.5	23.9	917	576
25 x 1	19.3	502	240
25 x 1.5	21.3	670	360
25 x 2.5	23.9	945	600
27 x 1	20	541	259.2
27 x 1.5	22	721	388.8
27 x 2.5	24.5	1004	648
30 x 1	20.7	589	288
30 x 1.5	22.8	788	432
30 x 2.5	25.5	1112	720
32 x 1	21.4	628	307.2
32 x 1.5	23.6	840	460.8
32 x 2.5	26.5	1188	768
36 x 1	22.4	700	345.6
36 x 1.5	24.7	937	518.4
36 x 2.5	27.7	1325	864
37 x 1	22.4	708	355.2
37 x 1.5	24.7	949	532.8
37 x 2.5	27.7	1344	888
40 x 1	23.3	775	384
40 x 1.5	25.7	1039	576
40 x 2.5	28.9	1472	960
42 x 1	24.3	815	403.2
42 x 1.5	26.8	1092	604.8
42 x 2.5	30	1546	1008
48 x 1	25.8	912	460.8
48 x 1.5	28.4	1223	691.2
48 x 2.5	32.1	1751	1152
60 x 1	28.4	1108	576
60 x 1.5	31.5	1504	864

